

Abstract

The present invention relates to an immunoassay and an apparatus for the same.

A method of the present invention comprises following processes;
(1) an analyte is labeled with a magnetic label to detect antigen-antibody reaction, (2) the magnetic material label is magnetized by a magnetic field, (3) the magnetized magnetic material label detected by a SQUID which detect a magnetic field having right angle to the magnetic field.

At the same time, the present invention contains an apparatus to execute the method provided by the present invention. The apparatus comprises a magnetic field generation means that generates a magnetic field to magnetize the labels. The apparatus comprises a SQUID that measures magnetic field.